INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date October 31, 2006

First Named Inventor James Langham Dale

Art Unit 1638

Examiner Medina Ahmed Ibrahim

Attorney Docket No. DAVI172.006APC

10/573,372

(Multiple sheets used when necessary)
SHEET 1 OF 6

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear

Application No.

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
/M.I./	1	Aarts et al. (1998). "Different requirements for EDS1 and NDR1 by disease resistance genes define at least two R gene-mediated signalling pathways in Arabidopsis." PNAS. 95: 10306-10311.	Υ.
/M.L./	2	Aarts et al. (1998). "Identification of R-gene homologous DNA fragments genetically linked to disease resistance loci in Arabidopsis thaliana." Mol. Plant-Microbe Interact. 11: 251-258.	
/M.L./	3	Anderson et al. (1997). "Inactivation of the flax rust resistance gene M associated with loss of a repeated unit within the leucine-rich repeated coding region." Plant Cell. 9: 641-651	
/M.I./	4	Aravind et al. (1999). "The domains of the death: evolution of the apoptosis machinery." Trends in Biochemical Science. 24: 47-53.	
/M.I./	5	Asai et al. (2002). "MAP kinase signalling cascade in Arabidopsis innate immunity." Nature. 415: 977-983.	
/M.I./	6	Baker et al. (1997). "Signaling in plant-microbe interactions." Science. 276: 726-733.	
/M.I./	7	Ballvora et al. (2002). "The Rl gene for potato resistance to late blight (Phytophthora infestas) belongs to the leucine zipper/NBS/LRR class of plant resistance gene." The Plant Journal. 30: 361-371.	
/M.I./	8	Becker et al. (2000). "Genetic transformation of Cavendish banana (Musaspp. AAA group) cv ' Grand Nain' via microprojectile bombardment." Plant Cell Reports. 19: 229-234.	
/M.I./	9	Bendahmane et al. (1999). "The Rx gene from tomato controls separate virus resistance and cell death responses." Plant Cell. 11: 781-791.	
/M.I./	10	Bentley et al. (1998). "Genetic variation among vegetative compatibility groups of Fusarium oxysporum f. sp. cubense analysed by DNA fingerprinting." Phytopathology. 88: 12831293.	
/M.I./	11	Bittner-Eddy et al. (2000). "RPP13 is a simple locus in Arabidopsis thaliana for alleles that specify downy mildew resistance to different avirulence determinants in peronospora parasitica." The Plant Journal. 21: 177-188.	
/M.I./	12	Bonas et al. (2002). "Plant disease resistance triggered by pathogen-derived molecules: refined models of specific recognition." Current Opinion in Microbiology. 5: 44-50	

Examiner Signature /Medina Ibrahim/	Date Considered	05/10/2009

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date October 31, 2006

First Named Inventor James Langham Dale

Art Unit 1638

Examiner Medina Ahmed Ibrahim

10/573,372

(Multiple sheets used when necessary)
SHEET 2 OF 6

Attorney Docket No. DAVI172.006APC

Application No.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
/M.I./	13	Botella et al. (1998). "Three genes of the Arabidopsis RPP1 complex resistance locus recognize distinct Peronospora parasitica avirulence determinants." Plant Cell. 10: 1847-1860.	
/M.I./	14	Brommonschenkel et al. (2000). "The broad-spectrum tospovirus resistance gene Sw-5 of tomato is a homolog of the root-knot nematode resistance gene Mi." Molecular Plant Microbe Interaction. 13: 1130-1138.	
/M.I./	15	Brueggeman et al. (2002). "The barley steam rust-resistance gene Rpgl is a novel disease-resistance gene with homology to receptor kinases." PNAS. 1-6.	
/M.I./	16	Bryan et al. (2000). "A single amino acid difference distinguishes resistant and susceptible alleles of the rice blast resistance gene Pi-ta." Plant Cell. 12: 2033-2045.	
/M.I./	17	Cai et al. (1997). "Positional cloning of a gene for nematode resistance in sugar beet." Science. 275: 832-834.	
/M.I./	18	Cao et al. (1997). "The Arabidopsis NPR1 gene that controls systemic acquired resistance encodes a novel protein containing ankyrin repeats." Cell. 88:57-63.	
/M.I./	19	Cao et al. (1998). "Generation of broad-spectrum disease resistance by overexpression of an essential regulator gene in systemic aquired resistance." PNAS. 95: 6531-6536.	
/M.I./	20	Century et al. (1997). "NDR1, a pathogen-induced component required for Arabidopsis disease resistance." Science. 278: 1963- 1965.	
/M.I./	21	Chern et al. (2001). "Evidence for a disease- resistance pathway in rice similar to the NPRI-mediated signalling pathway in Arabidopsis." The Plant Journal. 27: 101-113.	
/M.I./	22	Cohn et al. (2001). "Innate immunity in plants." Current Opinion in Immunology. 13:55-62.	
/M.I./	23	Collins et al. (1999). "Molecular characterization of the Maize Rpl-D Rust resistance haplotype and its mutants." Plant Cell. 11: 1365-1376.	
/M.I./	24	Despres et al. (2000). "The Arabidopsis NPR1/NIMI protein enhances the DNA binding activity of a subgroup of the TGA family of bZIP transcription factors." Plant Cell. 12: 279-290.	
/M.I./	25	Dixon et al. (1998). "The tomato Cf-5 disease resistance gene and six homologs show pronounced allelic variation in leucine-rich repeat copy number." Plant Cell. 10: 1915-1925.	
/M.L./	26	Dodds et al. (2000). "Six amino acid changes confined to the Leucine-Rich repeat B-strand/B-turn motif determine the difference between the Pand P2 rust resistance specificities in flax." Plant Cell. 13: 163-178.	
/M.I./	27	Ellis et al. (1998). "Structure and function of proteins controlling strain-specific pathogen resistance in plants." Current Opinion in Plant Biology. 1: 288-293.	
/M.I./	28	Ellis et al. (2000). "The generation of plant disease resistance gene specificities." Trends in Plant Science. 5: 373-379.	
/M.I./	29	Endo et al. (1996). "Large-scale search for genes on which positive selection may operate." Molecular Biology Evolution. 13: 685-690.	

Examiner Signature	/Medina Ibrahim/	Date Considered	05/10/2009

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached.

Application No. 10/573,372 INFORMATION DISCLOSURE Filing Date October 31, 2006 First Named Inventor James Langham Dale STATEMENT BY APPLICANT Art Unit 1638 (Multiple sheets used when necessary) Examiner Medina Ahmed Ibrahim SHEET 3 OF 6 DAVI172.006APC Attorney Docket No.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
/M.I./	30	Ernst et al. (2002). "The broad-spectrum potato cys nematode resistance gene (Hero) from tomato is the only member of a large gene family of NBS-LRR genes with and unusual amino acid repeat in the LRR region." Plant Journal. 31: 127-136.	
/M.I./	31	Falk et al. (1999). "EDS1, an essential component of R gene-mediated disease resistance in Arabidopsis has homology to eukaryotic lipases." PNAS. 96: 3292-3297.	•
/M.I./	32	Gassmann et al. (1999). "The Arabidopsis RPS4 bacterial-resistance gene is a member of the TIR-NBS-LRR family of disease resistance genes." Plant Journal. 20: 265-277.	
/M.I./	33	Glazebrook, J. (2001). "Genes controlling expression of defence responses in Arabidopsis." Curr. Opinion in Plant Biol. 4: 301-308.	
/M.I./	34	Gomez-Gomez et al. (2000). "FLS2: An LRR receptor-like kinase involved in the perception of the bacterial elicitor flagellin in Arabidopsis." Mol. Cell. 5: 1003-1011.	
/M.I./	35	Graham et al. (2000). "Expression and genome organization of resistance gene analogues in soybean." Genome. 43: 86-93.	
/M.I./	36	Grant et al. (1995). "Structure of the Arabidopsis RPM1 enabling dual specifity disease resistance." Science. 269: 843-846.	
/M.I./	37	Hammond-Kosack et al. (1997). "Plant resistance genes." Annu. Rev. Plant. Physiol. Plant Mol. Biol. 48: 575-607.	
/M.I./	38	Hughes et al. (1988). "Pattern of nucleotide substitution at major histocompatibility complex class I loci reveals overdominant selection." Nature. 335: 167-170.	
/M.I./	39	Hulbert et al. (2001). "Resistance gene complexes: evolution and utilization." Annu. Rev. Phytopathol. 39: 285-312.	
/M.I./	40	Jia et al. (2000). "Direct interaction of resistance gene and avirulence gene products confers rice blast resistance." EMBO J. 19: 4004-4014.	
/M.I./	41	Johal et al. (1992). "Reductase activity encoded by the HM1 disease resistance gene in maize." Science. 258: 985-987.	
/M.I./	42	Kanazin et al. (1996). "Resistance gene analogs are conserved and clustered in soybean." PNAS. 93: 11746-11750.	
/M.I./	43	Kawchuk et al. (2001). "Tomato Ve disease resistance genes encode cell surface-like receptors." PNAS. 98: 6511-6515.	
/M.I./	44	Kinkema et al. (2000). "Nuclear localization of NPR1 is required for activation of PR gene expression." The Plant Cell. 12: 2339-2350.	
/M.I./	45	Lagudah et al. (1997). "Map-based cloning of a resistance gene sequence encoding a nucleotide binding domain and leucine rich region at the Cre3 nematode resistance locus of wheat." Genome. 40: 659-665.	
/M.I./	46	Lawrence et al. (1995). "The L6 gene for flax rust resistance is related to the Arabidopsis bacterial resistance gene RPS2 and the tobacco viral resistance gene N." Plant Cell. 7: 1195-1206.	-

Examiner Signature /Medina Ibrahim/	Date Considered	05/10/2009
*Examiner: Initial if reference considered, whether or not citation is in conform in conformance and not considered. Include copy of this form with next communication.		Draw line through citation if not

T¹ - Place a check mark in this area when an English language Translation is attached.

	Application No.	10/573,372
INFORMATION DISCLOSURE	Filing Date	October 31, 2006
STATEMENT BY APPLICANT	First Named Inventor	James Langham Dale
STATEMENT DI AFFEIGANT	Art Unit	1638
(Multiple sheets used when necessary)	Examiner	Medina Ahmed Ibrahim
SHEET 4 OF 6	Attorney Docket No.	DAVI172.006APC

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
/M.I./	47	Leister et al. (1996). "A PCR-based approach for isolating pathogen resistance genes from potato with potential for wide application in plants." Nature Genetics. 14: 421-429.	
/M.I./	48	Leister et al. (1998). "Rapid organization of resistance gene homologues in cereal genomes." PNAS. 95: 370-375.	
/M.I./	49	May et al. (1995). "Generation of transgenic banana (Musa acuminata) plants via Agrobacterium mediated transformation." Bio/Technology. 13: 486-492.	
/M.I./	50	Mes et al. (2000). "Expression of the Fusarium resistance gene I-2 colocalizes with the site of fungal containment." The Plant Journal. 23: 183-193.	
/M.I./	51	Meyers et al. (1998). "Receptor-like genes in the major resistance locus in lettuce are subject of divergent selection." Plant Cell. 11: 1833-1846.	
/M.I./	52	Meyers et al. (1999). "Plant disease resistance genes encode members of an ancient and diverse protein family within the nucleotide-binding superfamily." The Plant Journal. 20: 317-332.	
/M.I./	53	Milligan et al. (1998). "The root knot resistance gene Mi from tomato is a member of the leucine zipper, nucleotide binding site, leucine-rich repeat family of plant genes." The Plant Cell. 10: 1307-1319.	
/M.I./	54	Mindrinos et al. (1994). "The A. thaliana disease resistance gene RPS2 encodes a protein containing a nucleotide-binding site and leucine-rich repeats." Cell. 78: 1089-1099.	
/M.I./	55	Muskett et al. (2002). "Arabidopsis RAR1 exerts rate-limiting control of R genes-mediated defenses against multiple pathogens." The Plant Cell. 14: 979-992.	
/M.I./	56	Pan et al. (2000). "Divergent evolution of plant NBS-LRR resistance gene homologues in dicot and cereal genomes." Journal of Molecular Evolution. 50: 203-213.	
/M.I./	57	Parker et al. (1997). "The Arabidopsis downy mildew resistance gene RPP5 shares similarity to the toll interleukine-1 receptors with N and L6." The Plant Cell. 9: 879-894.	
/M.I./	58	Parniske et al. (1997). "Novel disease resistance specificities result from sequence exchange between tandemly repeated genes at the Cf-4/9 locus of tomato." Cell. 91: 821-832	
/M.I./	59	Ploetz R (2000). "Panama disease: a classical and destructive disease of banana." Online. Plant Health Progress doi: 10. 1094/PHP-2000-1240-01-HM.	
/M.I./	60	Richter et al. (2000). "The evolution of disease resistance genes." Plant Molecular Biology. 42: 195-204.	
/M.I./	61	Rommens et al. (2000). "Exploiting the full potential of disease-resistance genes for agricultural use." Current Opinion in Biotechnology. 11: 120-125.	
/M.L./	62	Ryals et al. (1997). "The Arabidopsis NIM1 protein shows homology to the mammalian transcription factor inhibitor IkB." The Plant Cell. 9: 425-439.	
/M.I./	63	Sagi et al. (1995). "Genetic transformation of banana and plantain (Musa spp) via particle bombardment." Nature Biotechnology. 13: 481-485.	
/M.L/	64	Saleron et al. (1996). "Tomato Prf is a member of a leucine-rich repeat class of plant disease resistance gene and lies embedded within the Pto kinase gene cluster." Cell. 86: 123-133.	

Deta Considered ST40/0000			
Examiner Signature /Medina Ibranim/ Date Considered 05/10/2009	Examiner Signature	/Medina Ibrahim/	Date Considered 05/10/2009

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached.

	Application No.	10/573,372
INFORMATION DISCLOSURE	Filing Date	October 31, 2006
STATEMENT BY APPLICANT	First Named Inventor	James Langham Dale
STATEMENT BY ALL FIGARI	Art Unit	1638
(Multiple sheets used when necessary)	Examiner	Medina Ahmed Ibrahim
SHEET 5 OF 6	Attorney Docket No.	DAVI172.006APC

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.	itom (book magazina journal carial cympacium catalog ata) data naga(c) yaluma iccua	
/M.I./	65	Shen et al. (1998). "Resistance gene candidates identified by PCR with degenerate oligonucleotide primers Map to clusters of resistance genes in lettuce." Molecular Plant Pathogen Interaction. 11: 815-823.	
/M.I./	66	Shirasu et al. (1999). "A novel class of eukaryotic zine-binding proteins is required for disease resistance signalling in barley and the development in C. elegans." Cell. 99: 355366.	
/M.I./	67	Simons et al. (1998). "Dissection of the Fusarium 12 gene cluster in tomato reveals six homologs and one active gene copy." The Plant Cell. 10: 1055-1068.	
/M.I./	68	Song et al. (1997). "Evolution of the rice Xa21 disease resistance gene family." Plant Cell 9: 1279-1287.	
/M.I./	69	Song et al. (1998). "A receptor kinase-like protein encoded by the rice disease Xa21." Science. 270: 1804-1806.	
/M:L./	70	Stuiver et al. (2002). "Engineering disease resistance in plants." Nature. 411: 865-868.	
/M.I./	71	Tai et al. (1999). "Expression of the Bs2 pepper gene confers resistance to bacteria spot disease in tomato." PNAS. 96: 14153-14158.	
/M.I./	72	The Arabidopsis Initiative (2000). "Analysis of the genome sequence of the flowering plant Arabidopsis thaliana." Nature. 408: 796-815.	
/M.I./	73	Thomas et al. (1997). "Characterization of the tomato Cf-4 gene for resistance to Cladosporium fulvum identifies sequences that determine recognitional specificity in Cf-4 and Cf-9." Plant Cell. 9: 2209-2224.	
/M.I./	74	Tornero et al. (2002). "RAR1 and NDR1 contribute quantitatively to disease resistance in Arabidopsis, and their relative contributions are dependent on the R gene assayed." Plant Cell. 14: 1005-1015.	
/M.I./	75	Van Der Biezen et al. (1998). "Plant disease-resistance proteins and the gene-for-gene concept." Trend in Biochemistry Science. 23: 454-456.	
/M.I./	76	Van der Hoorn et al. (2002). "Balancing selection favors guarding resistance proteins." Trends in Plant Science. 7: 67-71	
/M.I./	77	Van der Vossen et al. (2000). "Homologue of a single resistance-gene cluster in potato confer resistance to distinct pathogens: a virus and a nematode." Plant Journal. 23: 567-576.	
/M.I./	78	WY - 1 (1000) (WY 017)	
/M.I./	Warren et al. (1998) "A mutation within the leucine-rich repeat domain of the Arabidonsis disease		
/M.I./	80	Wees et al. (2000). "Enhancement of induced disease resistance by simultaneous activation of salycilate-and jasmonate-dependent defense pathways in Arabidopsis thaliana." PNAS. 97: 8711-8716.	
/M.I./	81	Whitham, S (1996). "The N gene of tobacco confers resistance to tobacco mosaic virus in transgenic tomato." PNAS. 93: 8776-8781.	

Examiner Signature	/Medina Ibrahim/		Date Considered	05/10/2009	
		_			

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T¹ - Place a check mark in this area when an English language Translation is attached.

10/573,372 Application No. INFORMATION DISCLOSURE Filing Date October 31, 2006 First Named Inventor James Langham Dale STATEMENT BY APPLICANT Art Unit 1638 (Multiple sheets used when necessary) Examiner Medina Ahmed Ibrahim SHEET 6 OF 6 DAVI172.006APC Attorney Docket No.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.	itom/hook magazina journal carial cymnocium catalog atc.) data naga(c) yoluma issue	
/M.I./	82	Yoshimura et al. (1998). "Expression of Xal, a bacterial blight-resistance gene in rice, is induced by bacterial inoculation." PNAS. 95: 1663-1668.	
/M.I./	83	Yu et al. (1996). "Isolation of a superfamily of candidate disease-resistance genes in soybean based on a conserved nucleotide-binding site." PNAS. 93: 11751-11756.	
/M.I./	84	Yu et al. (2001). "Evidence for an important role of WRKY DNA binding proteins in the regulation of NPRI gene expression." Plant Cell. 13: 1527-1540.	
/M.I./	85	Zhang et al. (1999). "Interaction of NPR1 with basic leucine zipper protein transcription factors that bind sequences required for salysilic acid and induction of PR-1 gene." PNAS. 96: 6523-6528.	
/M.I./	86	Zhou et al. (2000). "NPR1 differentially interacts with members of the TGA/OBF family of transcription factors that bind an element of the PR-1 gene required for induction by salicylic acid." Mol Plant Microbe Interact. 13: 191-202.	
/M.I./	87	Zou et al. (1997). "Apaf-1, a human protein homologous to C. elegans CED-4, participates in Cytochrome c-dependent activation of caspase-3." Cell. 90: 405-413.	· ·
/M.I./	88	Bent et al. (1996). "Plant Disease Resistance Genes: Function Meets Structure." Plant Cell. 8: 1757-1771.	
/M.I./	89	Ellis et al. (1997). "Advances in the molecular genetic analysis of the flax-flax rust interaction." Annu. Rev. Phytopathol. 35: 271-291.	
/M.I./	90	Gentzbittel et al. (1998). "Cloning of molecular markers for disease resistance in sunflower, <i>Helianthus Annuus L</i> ." Theor Appl Genet. 96: 519-525.	
/M.I./	91	Kimura, M (1983). "The neutral theory of molecular evolution." Cambridge University Press.	
/M.I./	92	Nimchuk et al. (2001). "Knowing the dancer from the dance: Regene products and their interactions with other proteins from host and pathogen." Current Opinion in Plant Biology. 4: 288-294.	
/M.I./	93	Ploetz et al. (2000). "Fungal disease of the root, corm and pseudosteam." In Diseases of banana, abaca and ensete. Jones, D. Ed. CABI.	
/M.I./	94	Ortiz et al. (1995). "Banana and plantain breeding." Banana and Plantains. Gowen, S. Ed. Chapman and Hall London, pp 110-146.	

6553431 012809

Examiner Signature	/Adadina llavalaina/	Date Considered	05/10/2009
	/Medina lbrahim/	Date Considered	00/10/2000

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.